

SUPERELEVATION AND WIDENING TABLE. $e_{max} = 8\%$

			60 km/h					1	70 km/h				80 km/h				0 km/	'n	100	km/h	110	km/h	120	km/h					
RADIUS	e7.		W		e%	L		W		e%	Ι.	١ ١	W		L	1	W			W	e%	L	e%	١	e%	Ι.			
(m)	67	1	6.0	6.6	7.2	e.	1	6.0	6.6	7.2	e.	L	6.6	7.2	e%		6.6	7.2	e%	١.	6.6	е.	L	e.	-	8.	L		
7000	NC	0	0	0	0	NC	٥	0	0	0	NC	0	0	0	NC	0	0	0	NC	0	0	NC	0	NC	0	NC	0		
5000	NC	0	0	0	0	NC	0	0	0	0	NC	0	0	0	NC	0	0	0	NC	0	0	NC	0	NC	0	NC	0		
3000	NC	0	0	0	0	NC	0	0	0	0	NC	0	0	0	NC	0	0	0	NC	0	0	RC	16	2.1	18	2.4	23		
2500	NC	0	0	0	0	NC	0	0	0	0	NC	0	0	0	NC	0	0	0	RC	15	0	2.1	17	2.4	21	2.9	27		
2000	NC	0	0	0	0	NC	0	0	0	0	NC	0	0	0	RC	14	0	0	2.2	17	0	2.6	21	3.0	26	3.5	33		
1500	NC	0	0	0	0	NC	0	0	0	0	RC	13	0	0	2.4	17	0	0	2.8	21	0	3.4	28	3.9	34	4.6	44		
1400	NC	0	0	0	0	RC	12	0	0	0	2.1	14	0	0	2.5	18	0	0	3.0	23	0	3.6	29	4.1	36	4.9	46		
1300	NC	0	0	0	0	RC	12	0	0	0	2.2	14	0	0	2.7	19	0	0	3.2	25	0	3.8	31	4.4	39	5.2	49		
1200	NC	0	0	0	0	RC	12	0	0	0	2.4	16	0	0	2.9	21	0	0	3.4	26	0	4.1	34	4.7	41	5.6	53		
1000	RC	11	0	0	0	2.2	13	0	0	0	2.8	18	0	0	3.4	24	0	0	4.0	31	0	4.8	39	5.5	48	6.5	62		
900	RC	11	0	0	0	2.4	14	0	0	0	3.1	20	0	0	3.7	30	0	0	4.4	34	0	5.2	43	6.0	53	7.1	67		
800	RC	11	0	0	0	2.7	15	0	0	0	3.4	22	0	0	4.1	32	0	0	4.8	37	0	5.7	47	6.5	58	7.6	72		
700	2.2	12	0.6	0	0	3.0	18	0.7	0	0	3.8	25	0	0	4.5	37	0	0	5.3	41	0	6.3	52	7.2	63	8.0	76		
600	2.6	14	0.7	0	0	3.4	20	0.8	0	0	4.3									7.7	68		IN						
500	3.0	17	0.8	0	0	3.9	23	0.9	0.6	0	4.9	32	0.6	0	5.8	44	0.7	0	6.7	51	0.7	7.6	62	8.0	70	RADIUS =			
400	3.6	20	0.9	0.6	0	4.7	28	0.9	0.6	0	5.7 37 0.7 0 6.6 48 0.7 0 7.5 57 0.8 8.0 65								IN	00.	3 111								
300	4.5	25	0.9	0.6	0	5.6	34	1.0	0.7	0	6.7	44	0.7	0	7.6	55	0.8	0			Dius = Min			RADI	US =				
250	5.1	28	1.0	0.7	0	6.2	37	1.1	0.8	0	7.4	48	0.8	0	7.9	57	0.9	0.6		305 m	1		US =	300					
200	5.8	32	1.2	0.9		7.0	42	1.3	1.0	0.7	7.9	52	1.1	_	MIN	RADIL	IS = 2	30 m				33.	J III						
175	6.2	34		1.0		7.4	44	1.4	1.1	0.8	8.0	52	1.1	0.8															
150	6.7	37	1.3			7.8	47	1.4	1.1	0.8	MIN	RADIL	S = 1	75 m															
140	6.9	38	1.3	1.0	_	7.9	47	1.4	1.1	0.8																			
130	7.1	39	_	1.0	_	8.0	48	1.4	1.1	0.8	J																		
120	7.4	41	1.3			M	N RAD	ius :	= 125	m																			
110	7.6	42	1.3	1.0																									
100	7.8	43	1.4	1.1	0.8																								
90	7.9	44	1.4	1.1	0.8																								
80	8.0	44	1.6	1.3	1.0																								

MIN RADIUS = 80 m

SUPERELEVATION AND WIDENING TABLE, emox = 4%

		50 kmr/h					6	0 km/	h		70 km/h					80 km/h				90 km/h			100 km/h		
RADIUS	e%			W		e%			W		e%	l .	W					W		e%		W	I T .		W
(m)	6%	L	6.0	6.6	7.2] **	١.	6.0	6.6	7.2		_	6.0	6.6	7.2	e%.	L .	6.6	7.2	67.	-	6.6	e%	_	6.6
5000	NC	0	0	0	0	NC	0	0	0	0	NC	0	0	0	0	NC	0	0	0	NC	0	0	NC	0	0
3000	NC	0	0	0	0	NC	0	0	0	0	NC	0	0.6	0	0	NC	0	0	0	NC	0	0	RC	16	0
2500	NC	0	0	0	0	NC	0	0.6	0	0	NC	0	0.6	0	0	NC	0	0	0	RC	15	0	RC	16	0
2000	NC	0	0.6	0	0	NC	0	0.6	0	0	NC	0	0.6	0	0	RC	14	0	0	RC	15	0	2.2	18	0
1500	NC	0	0.6	0	0	NC	0	0.6	0	0	RC	13	0.7	0	0	RC	14	0	0	2.3	18	0	2.6	21	0
1400	NC	0	0.6	0	0	NC	0	0.6	0	0	RC	13	0.7	0	0	2.1	15	0	0	2.4	18	0	2.7	22	0
1300	NC	0	0.6	0	0	NC	0	0.6	0	0	RC	13	0.7	0	0	2.2	16	0	0	2.5	19	0	2.8	23	0
1200	NC	0	0.7	0	0	RC	12	0.7	0	0	RC	13	0.7	0	0	2.3	17	0	0	2.6	20	0	2.9	24	0
1000	NC	0	0.7	0	0	RC	12	0.7	0	0	2.2	14	0.7	0	0	2.5	18	0	0	2.8	21	0	3.2	26	0
900	RC	17	0.7	0	0	RC	12	0.7	0	0	2.4	15	0.8	0	0	2.7	19	0	0	3.0	23	0	3.4	28	0.6
800	RC	17	0.7	0	0	2 - 1	13	0.8	0	0	2.5	16	0.8	0	0	2.8	20	0	0	3.2	25	0.6	3.5	29	0.6
700	RC	17	0.8	0	0	2.3	14	0.8	0	0	2.7	18	0.8	0	0	3.0	22	0.6	0	3.4	26	0.6	3.7	30	0.7
600	2.1	17	0.8	0	0	2.5	15	0.9	0	0	2.9	19	0.9	0.6	0	3.2	23	0.6	0	3.6	28	0.7	3.9	32	0.7
500	2.3	19	0.9	0.6	0	2.7	16	0.9	0.6	0	3.1	20	1.0	0.7	0	3.5	25	0.7	0	3.8	29	0.8	4.0	33	0.8
400	2.5	21	1.0	0.7	0	3.0	18	1.0	0.7	0	3.4	22	1.1	0.8	0	3.7	27	0.8	0	4.0	31	0.9	MIN	RADI	US =
300	2.7	23	1.1	0.8	0	3.3	20	1.2	0.9	0.6	3.8	25	1.2	0.9	0.6	4.0	29	1.0	0.7	MIN	RADIU	JS =		490 n	п
250	3.0	25	1.2	0.9	0.6	3.6	22	1.3	1.0	0.7	3.9	26	1.4	1.1	0.8	MIN	RADIL	IS = 4	60 m		375 m	1			
200	3.3	27	1.4	1.1	0.8	3.8	23	1.5	1.2	0.9	MI	N RAI)IUS =	= 285	m	-									
											— ······														

250 3.0 25 1.2 0.9 0.6 3.6 22 1.3 1.0 0.7 3.
200 3.3 27 1.4 1.1 0.8 3.8 23 1.5 1.2 0.9
175 3.5 29 1.6 1.2 1.0 3.9 23 1.6 1.4 1.0
180 3.7 3. 1 1.7 1.4 1.1 4.0 24 1.8 1.5 1.2
140 3.8 32 1.8 1.5 1.2
130 3.8 32 1.9 1.5 1.5 1.2
140 3.9 32 2.0 1.7 1.4 1.3
110 4.0 33 2.1 1.8 1.5
100 4.0 33 2.1 1.8 1.5
100 4.0 33 2.2 1.9 1.6

MIN RADIUS = 170 m

MIN RADIUS = 100 m

TABLE NOTES:

- 1) "NO" DENOTES NORMAL CROSS SLOPE.
 2) "RC" DENOTES REMOVE ADVERSE CROSS SLOPE, SUPERELEVATE AT NORMAL CROSS SLOPE.
 3) "G" DENOTES THE SUPERELEVATION IN PERCENT (%).
 4) "L" THE LENGTH OF SUPERELEVATION RUNDEF AND WIDENING TRANSITION IN FEET FOR A 2 LAKE RODWAY.
 5) "W" THE WIDENING IN FEET FOR SURFACING AT INSIDE SHOULDERS.
 6) VALUE FOR A RADIUS NOT SHOWN IN ABOVE TABLE SHALL BE IDENTICAL TO THOSE FOR THE NEAREST TABULATED RADIUS. IN CASE OF TIE, USE VALUES OF NEXT LARGER RADIUS.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SUPERELEVATION. SPIRALS AND WIDENING (UNDIVIDED HIGHWAYS)

EFFECTIVE: 04-01-2002 DATE:_

M203.20F

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